PRIMA LED Ex 2/21 NM



... emergency and orientation.

USE

Non-maintained emergency luminaire for escape routes, available for use in high ambient temperature, t_a = 50 °C, is intended by its function and shape primarily for being in a set with Prima LED Ex 2/21 light fittings.

The light fitting is suitable for the environment with a danger of explosion of gas, dust and combustible fumes. The light fittings meet the requirements of Government Decree 116/2016 Coll. and European Community Directive 2014/34/EU.

The basic requirements for safety and health protection are secured by the verification of conformity with the standards according to EN 60079-15, EN 60079-0 and EN 60079-31.

It is resistant to dust, moisture and spouting water. The body and the diffuser made of polycarbonate (PC) have increased resistance against deformation and impact.

Atmosphere emissions must be considered, as they may reduce the usability of plastics at installation in aggressive environment, see p. 449.

ADVANTAGES

- Light fitting protection **IP66**
- High thermal resistance ranging **from t_a = 0 °C to t_a = 50 °C**
- Lifetime: L95 100.000 h @ Ta max
  L95 150.000 h @ Ta 25°C
- Luminous flux of the light fitting: **440 lm**
- Diffuser: translucent polycarbonate (PC) = high mechanical resistance
- Body: grey polycarbonate (PC) = high mechanical resistance
- Emergency module **3h** with battery autotest
- Integrated diode for indication of correct operation
- Low energy consumption in StandBy mode
- Certification: TÜV CY 25 ATEX 0207317 X

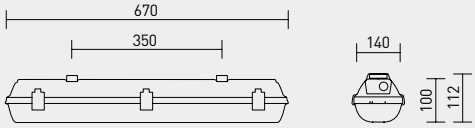
The light fitting is certified for the environment:
Ɛx II 3G Ex nR IIC T6 Gc
Ɛx II 2D Ex tb IIIC T70°C Db

PRIMA LED Ex 2/21 PCc

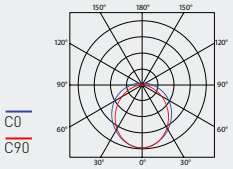


TECHNICAL DESCRIPTION

- Light fitting protection: **IP66**
- Maximum ambient temperature: **t_a = 50 °C**
- Lifetime: L95 100.000 h @ Ta max
  L95 150.000 h @ Ta 25°C
- Luminous flux of the light fitting: **440 lm**
- **CRI > 80: 4000 K**
- MacAdam = 3 SDCM
- Diffuser: translucent PC (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Reflector: white steel sheet (RAL 9003)
- Clips: stainless steel + polyamide
- Sealing: polyurethane (PUR), foam-filled body groove
- Light fitting connection: **cable gland M20x1,5 ATEX**
- Distance holder: polyamide + 10 % glass fibre
- The package includes: stainless hooks and stainless brackets
- The above stated values of power consumption and luminous flux are within a tolerance of ± 7,5 %
- Pictogram: optional accessory
- Emergency version on request: CBS24V with Innotec module for CBS 24V



PRIMA LED Ex 2/21 1.2ft



Type	Autonomy [hrs]	Luminous flux of light fitting [lm]	Power in emergency mode [W]	Battery type	Power in standby mode [W]	Charging time [hrs]	Power in charging mode [W]	Net weight [kg]
Non-maintained emergency luminaire with autotest								
PRIMA LED Ex 2/21 1.2ft PCc NM3hAt	3	440	7	$LiFePO_4$	1,5	24	2	1,8

PRIMA LED Ex 2/21 PCc with cable glands — Non-maintained emergency luminaire with autotest - cable glands M20x1,5 ATEX - stainless clips (c)

Type	NM3hAt	3F NM3hAt
PRIMA LED Ex 2/21 1.2ft PCc ...	111407	x

LEGEND

NM3hAt – non-maintained emergency luminaire, operation time 3 hours, with battery autotest
3F NM3hAt – non-maintained emergency luminaire, operation time 3 hours, with battery autotest, 5-wire throughwiring (3F)

The module signaling is listed in the assembly instructions attached to the luminaire and available for download at www.trevos.eu.

LIGHT FITTING ATTACHMENT

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks





LIGHT FITTING DETAILED VIEW

PRIMA LED Ex 2/21 PCc

